

ABSTRACT OF THE DISCLOSURE

A gravity flow sludge load-out system for rapid and accurate loading-out of large volumes of treated biosolids from a wastewater dewatering plant, said system includes a plurality of hoppers **12, 14** supported by a main structure **16** having a plurality of vertical support members **20**, each resting on a load cell **28**, a sludge inlet at the tip of each hopper, and hydraulically controlled metering gates **40** at the bottom. A PLC **70** controls delivery of sludge from a dewatering facility, including e.g. a dewatering centrifuge **56**, into the hoppers and then controls load-out of the sludge to a container truck by providing real-time monitoring of net sludge load-out and tight control of metering gates.

Gravity Flow Sludge Load-Out System

ABSTRACT OF THE DISCLOSURE

A gravity flow sludge load-out system for rapid and accurate loading-out of large volumes of treated biosolids from a wastewater dewatering plant, said system comprising at least one hopper supported by a main structure having a plurality of vertical support members, each resting on a load cell, a sludge inlet at the top of each hopper, and hydraulically controlled metering gates at the bottom. A PLC controls delivery of sludge from a dewatering facility into the hopper and then controls load-out of the sludge to a container truck by providing real-time monitoring of net sludge load-out and tight control of metering gates.